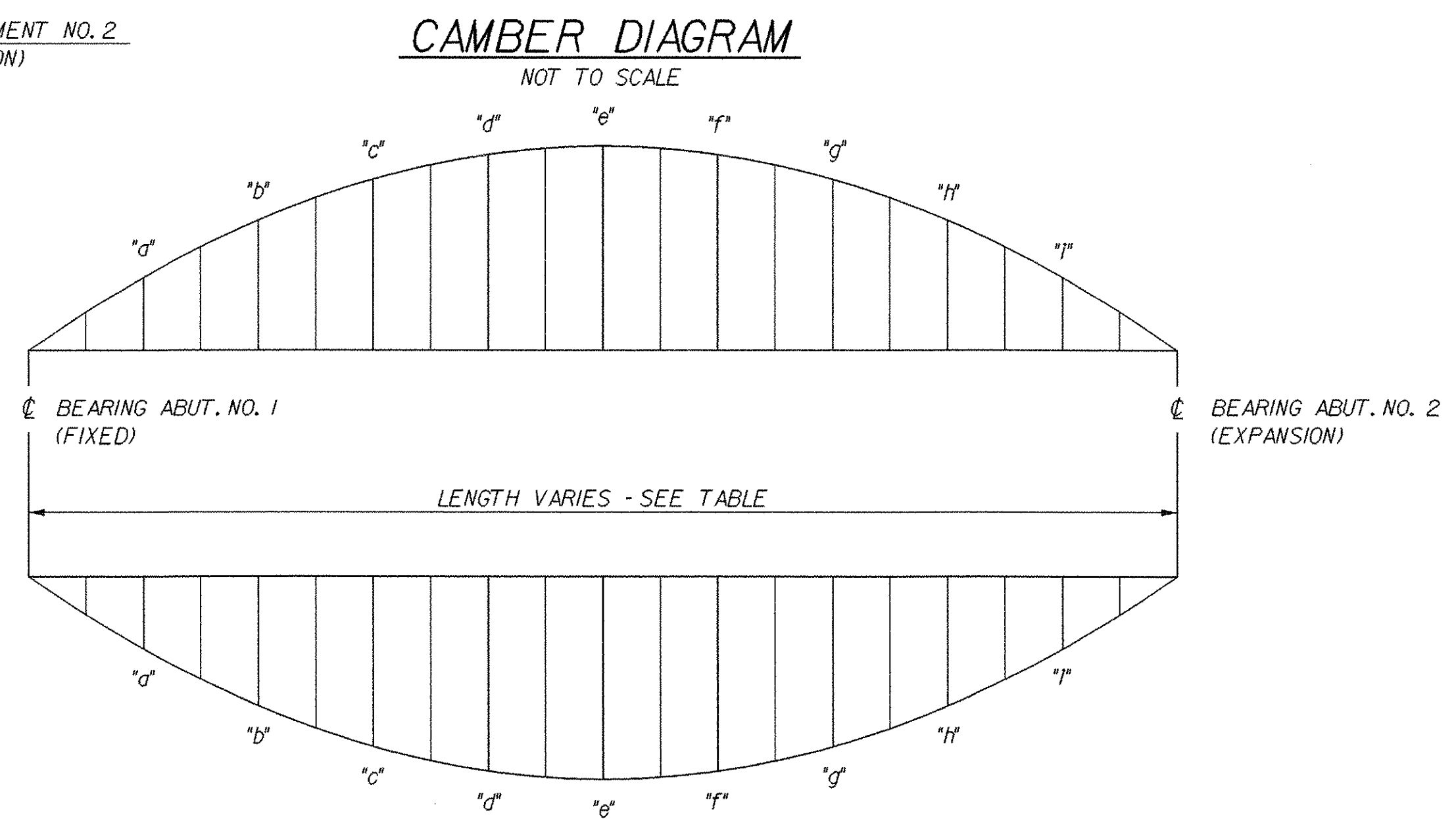
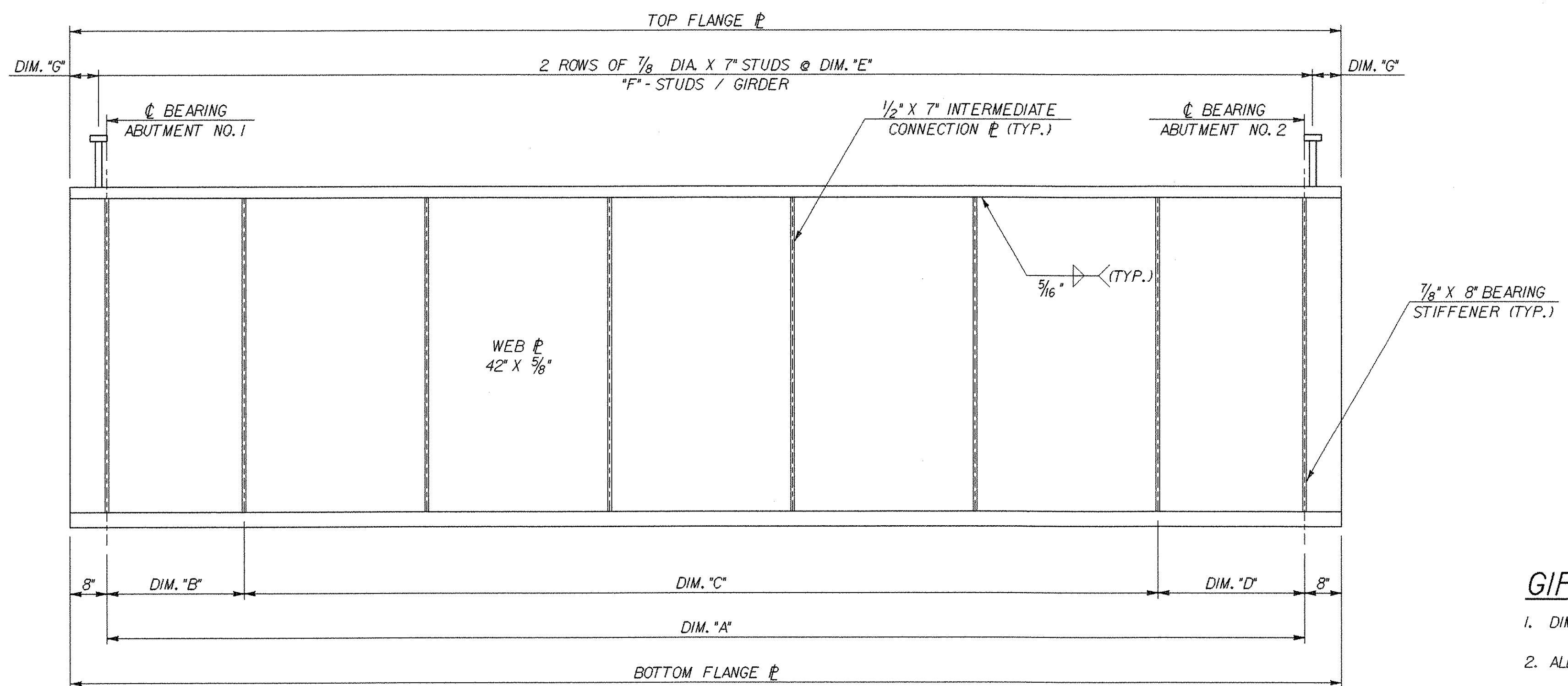


FRAMING PLAN
SCALE: 1/8" = 1'-0"



DL DEFLECTION DIAGRAM
NOT TO SCALE

CAMBER AND DEFLECTION MEASUREMENTS ARE GIVEN IN INCHES AT TENTH POINTS



TYPICAL GIRDER ELEVATION
NOT TO SCALE

GIRDER	RADIUS	DIM. 'A'	TOP FLANGE PLATE	BOTTOM FLANGE PLATE	DIM. 'B'	DIM. 'C'	DIM. 'D'	DIM. 'E'	'F' - NO. OF STUDS / GIRDER	DIM. 'G'
G1	387.34	109'-3"	7/8" X 1'-4" X 110'-7"	1/2" X 1'-4" X 110'-7"	17'-4 3/4"	5 SPA. @ 15'-4 3/4" = 76'-11 3/4"	14'-10 1/2"	12"	218	15 1/2"
G2	395.01	108'-4 3/4"	7/8" X 1'-4" X 109'-8 3/4"	1/2" X 1'-4" X 109'-8 3/4"	5'-5"	5 SPA. @ 15'-8 1/2" = 94'-3"	24'-5 1/4"	11"	236	14 7/8"
G3	402.67	107'-7 1/2"	7/8" X 1'-4" X 108'-11 1/2"	1/2" X 1'-4" X 108'-11 1/2"	8'-10"	5 SPA. @ 16'-0 1/8" = 80'-0 5/8"	18'-8 7/8"	11"	234	15 3/4"
G4	410.34	106'-10 7/8"	7/8" X 1'-4" X 108'-2 7/8"	1/2" X 1'-4" X 108'-2 7/8"	12'-2 7/8"	5 SPA. @ 16'-3 3/4" = 81'-6 3/4"	13'-1 1/4"	11"	232	16 5/16"
G5	418.01	106'-2 7/8"	1 1/2" X 1'-6" X 107'-6 7/8"	2" X 1'-10" X 107'-6 7/8"	15'-7 1/2"	5 SPA. @ 16'-7 1/2" = 83'-1 1/2"	7'-5 7/8"	10 1/2"	242	15 7/16"
G6	425.67	105'-7 3/8"	1 1/2" X 1'-6" X 106'-11 3/8"	2" X 1'-10" X 106'-11 3/8"	19'-0 1/8"	4 SPA. @ 16'-11 1/8" = 67'-8 1/2"	18'-10 3/4"	11"	230	14 1/16"

L - TOTAL LENGTH @ BRG. ABUT. NO. 1 TO @ BRG. ABUT. NO. 2 = 107'-0"											
GIRDER NO.	@ BRG. ABUT. NO. 1	0.10L	0.20L	0.30L	0.40L	0.50L	0.60L	0.70L	0.80L	0.90L	@ BRG. ABUT. NO. 2
1	CAMBER	0"	2 7/8"	4 5/8"	6 1/4"	7 3/8"	7 1/4"	6 1/4"	4 3/4"	2 7/8"	0"
	DL DEFLECTION	0"	1 3/16"	3 3/16"	4 9/16"	5 3/8"	5 3/8"	4 9/16"	3 3/16"	1 3/4"	0"
2	CAMBER	0"	2 7/8"	4 5/8"	6 1/4"	7 1/8"	7"	6 1/8"	4 1/2"	2 5/8"	0"
	DL DEFLECTION	0"	1 3/16"	3 3/16"	4 9/16"	5 1/8"	5 1/8"	4 1/2"	3 1/4"	1 3/4"	0"
3	CAMBER	0"	2 5/8"	4 1/2"	6 1/8"	7"	7 3/8"	7"	4 7/8"	2 5/8"	0"
	DL DEFLECTION	0"	1 3/4"	3 5/16"	4 1/2"	5 3/16"	5 3/16"	4 1/16"	3 3/16"	1 3/4"	0"
4	CAMBER	0"	2 1/2"	4 3/8"	5 7/8"	6 3/4"	7 1/8"	6 5/8"	4 1/4"	2 5/8"	0"
	DL DEFLECTION	0"	1 1/16"	3 1/4"	4 3/8"	5 1/8"	5 3/8"	4 3/16"	3 3/16"	1 1/16"	0"
5	CAMBER	0"	2 5/8"	4 1/4"	5 3/4"	6 5/8"	7"	6 5/8"	4 1/8"	2 3/8"	0"
	DL DEFLECTION	0"	1 3/4"	3 1/4"	4 3/8"	5 1/8"	5 1/8"	4 3/16"	3 1/8"	1 5/8"	0"
6	CAMBER	0"	2 5/8"	4 3/8"	5 7/8"	6 3/4"	7"	6 3/4"	4 3/4"	2 1/2"	0"
	DL DEFLECTION	0"	1 3/16"	3 3/16"	4 1/2"	5 1/4"	5 1/2"	4 1/16"	3 3/16"	1 1/16"	0"

GIRDER NOTES

- DIMENSIONS ARE ALONG THE ARC OF GIRDERS.
- ALL NEW STEEL SHALL BE AASHTO M270 GRADE 50W.
- INTERMEDIATE CROSS FRAMES ARE ON RADIAL LINES FROM THE CENTER OF THE CURVE.
- BEARING STIFFENERS SHALL BE PLUMB AND PARALLEL TO THE @ BEARING IN THEIR FINAL POSITION.
- CONNECTION PLATES AT INTERMEDIATE CROSS FRAMES SHALL BE PERPENDICULAR TO FLANGES.
- ENDS OF GIRDERS SHALL BE FABRICATED TO BE PLUMB UNDER FULL DEAD LOAD AND SUPERIMPOSED DEAD LOAD.
- ALL CROSS FRAMES, TENSION FLANGES, AND WEBS SHALL HAVE "CHARPY V-NOTCH TEST" PERFORMED AS SPECIFIED IN SUBSECTION 714.01 AND 714.03.
- SHEAR CONNECTORS SHALL BE FIELD WELDED USING AUTOMATICALLY TIMED STUD WELDING EQUIPMENT AND SHALL BE PAID AS ITEM 508.15, SHEAR CONNECTORS.
- ITEM 506.60, STRUCTURAL STEEL SHALL INCLUDE GIRDERS, CONNECTION PLATES, DIAPHRAGMS, AND REQUIRED FASTENERS.

STATE OF VERMONT AGENCY OF TRANSPORTATION

Town Of **CHESTER** Bridge No. **12**

Highway No. **VT 103** Log Sta.

VT 103 OVER THE WILLIAMS RIVER

FRAMING PLAN AND GIRDER ELEVATION

Designed By **LWIKSON** Drawn By **P.DUSTIN**

Checked By **T. GRANT** Date **10/00** Bridge Design Supervisor **M. ZYDEL** Date

PROJECT **CHESTER** PROJECT NO. **BRF 025-(135)**

I.G.C. Info. **M:\07\134\Structures\zbl34cf.pdg** zbl34cf.pl

Bridge Sheet No. **BR108** Sheet **52** of **79**

PLOTTED **28-MAY-2003**

